

ARG81954 Human CD239 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81954-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81954-002	Standard	2 X 10 ng/vial	4°C
ARG81954-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81954-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81954-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81954-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81954-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81954-008	25X Wash buffer	20 ml	4°C
ARG81954-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81954-010	STOP solution	10 ml (Ready to use)	4°C
ARG81954-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81954 Human CD239 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD239 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD239
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 6.8%
Alternate Names	MSK19; Auberger B antigen; F8/G253 antigen; Lutheran antigen; Basal cell adhesion molecule; LU; AU; CD239; B-CAM cell surface glycoprotein; Lutheran blood group glycoprotein; CD antigen CD239

Application Instructions

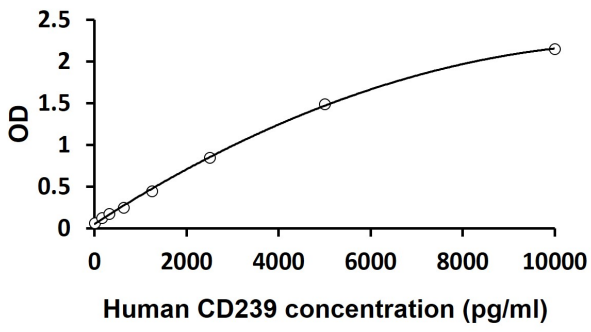
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BCAM
Gene Full Name	basal cell adhesion molecule (Lutheran blood group)
Background	This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]
Function	Laminin alpha-5 receptor. May mediate intracellular signaling. [UniProt]
Highlight	Related products: CD239 antibodies ; CD239 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Epinephrine-stimulated phosphorylation of Ser-621 by PKA enhances adhesion to laminin. [UniProt]



ARG81954 Human CD239 ELISA Kit standard curve image

ARG81954 Human CD239 ELISA Kit results of a typical standard run with optical density reading at 450 nm.